Fiberguide offers standard configurations as well as custom designed Shaped Tip Fiber Assemblies for precise beam control. As the leader in fiber manufacturing, fiber optic assembly and optical design, Fiberguide Industries has the experience and technical expertise to design and manufacture fiber assemblies that provide optimum control over beam delivery or collection.

**Standard Specifications:**
- Fiber Type: Step Index Multimode
- Core Sizes: 50µm, 100µm, 200µm, 300µm, 400µm, 600µm, 800µm, 1000µm
- Wavelengths: High OH: UV - Vis: 190nm – 1250nm / Low OH: Vis - IR: 300nm – 2400nm
- Numerical Aperture (NA): 0.12, 0.22, 0.26
- Temperature Range: -40°C to +350°C / -40°F to +662°F
- Lengths: < 100 meters

**Applications:**
- Laser lithotripsy – Conical tip can concentrate beam energy
- Diode Coupling – Chisel tip and angled tip can improve elliptical beam collection
- Communications/ Pigtailing – Angled tip will reduce reflections
- Photo Dynamic Therapy – Radiused tip or diffused tip can increase effective treatment area
- Tissue perforation and ablation – Conical tip can perforate and decrease laser spot size
- Laser Delivery and material processing – Ball tip reduces spot size to increase energy density
- Enlarged Prostate Treatment – Angled tip enables side fire optical output for narrow access areas
- Optical Sensing – Ball tip or radius tip can improve light collection
- Surgical Illumination – Ball tip and conical tip can be used as a localized illumination source
Fiberguide offers Custom Shaped Tip Assemblies. By utilizing our proprietary design software and industry leading fiber processing techniques, we offer our customers optimized designs for shaping the output beam and/or increasing the efficiency of light collection. Fiberguide’s experienced engineering staff and understanding of light propagation inside optical fibers can help enable any custom solution.

Contact your Fiberguide Sales representative today for more information.